

REMARKS

At the outset, the Examiner is thanked for the thorough review and consideration of the pending application. The Office Action dated June 16, 2006 has been received and its contents carefully reviewed.

Claims 1-20 are currently pending. Claims 6-20 are allowed; claims 4 and 5 are objected to; and claims 1-3 are rejected. Reexamination and reconsideration of the rejected claims are respectfully requested.

In the Office Action, claims 6-20 are allowed. Claims 4 and 5 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims. Applicant thanks the Examiner for the indication that claims 6-20 are allowed and that claims 4 and 5 contain allowable subject matter. However, Applicant does not wish to rewrite claims 4 and 5 in independent form at this time.

Also, in the Office Action, claims 1-3 are rejected under 35 U.S.C. § 103(a) as being unpatentable over U.S. Patent No. 6,531,392 to Song et al. (hereinafter “Song”) in view of U.S. Patent No. 6,052,169 to Kim (hereinafter “Kim”). Applicant respectfully traverses this rejection and reconsideration is requested.

Independent claim 1 is allowable over Song in view of Kim in that claim 1 recites a combination of elements, including for example, “a plurality of pads, each extending at an angle from an edge of the substrate; and a plurality of corresponding pad lines, *each extending at the same angle as the angle of the corresponding pad.*” None of the cited references, singly or in combination, teaches or suggests at least these features of the claimed invention. Song merely discloses pads 24, 74 extending at a straight angle from the edge of the substrate. Some of the pad lines extend from their corresponding pads 24, 74 at different angles than the angles at which the corresponding pads 24, 74 extend from the substrate. *See Fig. 2; column 8, lines 2-5.* Thus “*each*” pad line does not extend “at the same angle as the angle of the corresponding pad.”

Applicant respectfully submits Kim fails to cure the deficiencies of Song. The Examiner points to pad 122 in Figure 3 of Kim to evidence a teaching that a pad extends from an edge of the substrate at the same angle as the pad line extends from the pad. However, Kim merely discloses that only one set of pad and pad line have this relationship. *See* Fig. 3; column 3 line 60 – column 4, line 10. Independent claim 1 requires “*each*” pad line extends “*at the same angle as the angle of the corresponding pad.*” Kim does not disclose or suggest this feature. Furthermore, Applicant respectfully submits that there is no motivation for one of ordinary skill in the art to combine Song and Kim and arrive at the claimed invention with any reasonable expectation of success. Applicant further respectfully submits that the motivation to combine the references comes from the present invention, and not from the cited references, which is impermissible. Accordingly, because the cited references fail to teach the features of the claimed invention, Applicant respectfully submits that claim 1, and claims 2 and 3, which depend therefrom, are allowable over Song in view of Kim.

Applicants believe the foregoing remarks place the application in condition for allowance and early, favorable action is respectfully solicited.

If for any reason the Examiner finds the application other than in condition for allowance, the Examiner is requested to call the undersigned attorney at (202) 496-7500 to discuss the steps necessary for placing the application in condition for allowance. All correspondence should continue to be sent to the below-listed address.

U.S. Application No.: 10/026,782
Amdt. dated September 18, 2006
Reply to Office Action dated June 16, 2006

Attorney Docket No.: 8734.041.00-US

If these papers are not considered timely filed by the Patent and Trademark Office, then a petition is hereby made under 37 C.F.R. §1.136, and any additional fees required under 37 C.F.R. §1.136 for any necessary extension of time, or any other fees required to complete the filing of this response, may be charged to Deposit Account No. 50-0911. Please credit any overpayment to deposit Account No. 50-0911. A duplicate copy of this sheet is enclosed.

Dated: September 18, 2006

Respectfully submitted,

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